**Program # 1**

Basic salary is input through the keyboard. His dearness allowance is 40% of basic salary, and house rent allowance is 20% of basic salary. Write a program to calculate his gross salary.

**Program # 2**

If the marks obtained by a student in five different subjects are input through the keyboard, write a program to find out the aggregate marks and percentage obtained by the student. Assume that the maximum marks that can be obtained by a student in each subject is 100.

**Program # 3**

Temperature of a city in Fahrenheit degrees is input through the keyboard. Write a program to convert this temperature into centigrade degrees.

**Program # 4**

The length and breadth of a rectangle and radius of a circle are input through the keyboard. Write a program to calculate the area & perimeter of the rectangle, and the area & circumference of the circle.

**Program # 5**

Two numbers are input through the keyboard into two locations C & D. Write a program to interchange the contents of C & D.

**Program # 6**

If a five-digit number is input through the keyboard, write a program to calculate the sum of its digits.

**Program # 7**

If a five-digit number is input through the keyboard, write a program to reverse the number.

**Program # 8**

If a four-digit number is input through the keyboard, write a program to obtain the sum of the first and last digit of this number.

**Program # 9**

Write a program to calculate the simple interest . if the principal, no of years, rate of interest is entered by the user.

**Program # 10**

If the total selling price of 15 items and total profit earned on them is input through the keyboard, write a program to find the cost price of one item.

**Program # 11**

Write a ‘C’ program to swap two numbers without using third Variable

**Program # 12**

Write a program to calculate greatest among two numbers.

**Program # 13**

Write a program to calculate greatest among three numbers using nested if statement.

**Program # 14**

Write a program to calculate greatest among three numbers using multiple if statement.

**Program # 15**

Write a menu driven program to perform addition, subtraction, multiplication & division operations.

**Program # 16**

Any integer is input through the keyboard. Write a program to find out whether it is an odd number or even number.

**Program # 17**

Any year is input through the keyboard. Write a program to determine whether the year is a leap year or not.

**Program # 18**

A five digit number is entered through the keyboard. Write a program to obtain the reverse number and to determine whether the original and reversed number are equal or not.

**Program # 19**

A library charges a fine for every book returned late. For first 5 days the fine is 50 paisa, for 6-10 days, fine is one rupee and above 10 days, fine is 5 rupees. If you return the book after 30 days your membership will be cancelled. Write a program to accept the number of days the member is late to return the book and display the fine or appropriate message.

**Program # 20**

Admission to a professional course is subject to the following condition math>=60, phy>=50, chem>= 40. Write a program for finding that candidates are eligible or not

**Program # 21**

Write a program to find the factorial of any number using for loop.

**Program # 22**

Write a program to find the factorial of any number using a while loop.

**Program # 23**

Write a program to find the factorial of any number using do while.

**Program # 24**

WAP to add 10 numbers using for statement.

**Program # 25**

Write a program to find the sum of the following series:

1! + 2! + 3! + 4! + ….. + n!

**Program # 26**

Write a program to find the sum of the following series:

S = 2+4+6+8+……………N terms.

**Program # 27**

WAP to print the following pattern:

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5.

**Program # 28**

Write a program to print Fibonacci sequence 0 1 1 2 3 5 8 13…… N terms and prints the sum of sequence.

**Program # 29**

Write a program to check a number whether it is prime number or not.

**Program # 30**

WAP to find the reverse of a number and check whether it is palindrome or not.

**Program # 31**

Write a program in C to accept integer numbers and find sum of digits.

**Program # 32**

Write a program to print given format

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**Program # 33**

Write a program to insert 10 elements and print them using array.

**Program # 34**

WAP to add 10 numbers using array.

**Program # 35**

Write a program to multiply 10 numbers using array.

**Program # 36**

Write a program to find minimum among 10 numbers using array.

**Program # 37**

WAP to find greatest among 10 numbers using array.

**Program # 38**

Write a program to print matrix of 3\*3.

**Program # 39**

WAP to print the transpose of a matrix.

**Program # 40**

WAP to add two matrix of 3\*3.

**Program # 41**

Write a program to multiply two matrix of 3\*3.

**Program # 42**

Write a program to swap the smallest and greatest number using array.

**Program # 43**

Write a program to perform PUSH operation into stack.

**Program # 44**

WAP to perform POP operation into stack.

**Program # 45**

Write a program to insert an element into queue.

**Program # 46**

Write a program to delete an element from a queue.

**Program # 47**

WAP to search an element in a list of 10 element using Linear search.

**Program # 48**

WAP to search an element in a list of 10 element using Binary search.

**Program # 49**

WAP to perform insertion sort in a list of 10 elements.

**Program # 50**

WAP to perform selection sort in a list of 10 elements.

**Program # 51**

WAP to perform bubble sort in a list of 10 elements.

**Program # 52**

WAP to perform Binary search using insertion sort in a list of unsorted 10 elements.

**Program # 53**

WAP to find sum of two numbers using function ( call by value ).

**Program # 54**

Write a menu driven program to add, sub, mul & div two numbers using function ( call by value ) .

**Program # 55**

WAP to calculate factorial of given number using function ( call by value ).

**Program # 56**

WAP to calculate Fibonacci series upto n terms using function ( call by value ).

**Program # 57**

WAP to find factorial of given number using recursion.

**Program # 58**

WAP to add two numbers using call by reference.

**Program # 59**

WAP to swap two numbers using call by reference.

**Program # 60**

Write a menu driven program to add, sub, mul & div two numbers using call by reference.

**Program # 61**

WAP to add a node in the linked list at the end and to display.